



Rouse's Enterprises, L.L.C.

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To Whom It May Concern,

I would like to introduce you to our Company. Rouses is the largest locally owned Independent Supermarket Group in Louisiana. We operate (15) fifteen Supermarkets with an emphasis on the fresh products unique to Louisiana.

We have met with Mr. Godfrey LeBouef review the prototype of the Southern crabmeat extractor as introduced to Rouses Enterprise, LLC. We have an interest in continuing the current assessment of a relationship with Mr. Godfrey LeBouef and the marketing in our (15) fifteen Supermarket of his Southern crabmeat extractor.

With this said, we feel the Southern Crabmeat Extractor is a perfect fit for our operation, our customers and our Cajun way of life. We look forward to the potential marketing of this unique product in our stores and surrounding markets.

We find the Southern crabmeat extractor to be a new and exciting item. This unit, we feel has potential to be a very marketable item for the typical family if the retail price for the unit is in a reasonable price range. A price range that tells the consumer this is "a value for your money". If the unit is manufactured with materials that are not cost efficient or the marketing is skewed to the high-end market the marketability or resale rate would probably dramatically reduce the potential unit sales.

We at Rouses would encourage and continue to support the process of moving this unit to production and cost efficient result of sales and profits.

Sincerely,

David J. Daroca
General Manager

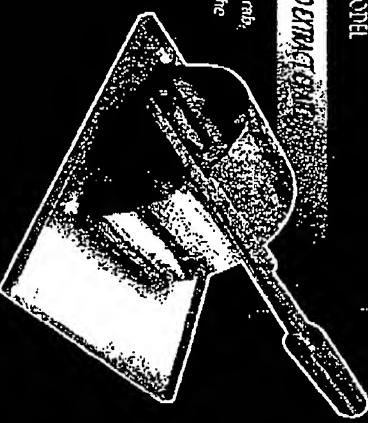
Commercial Quality Crab Meat Extractor



HEAVY DUTY / DELUXE MODEL

THE EASY, FAST, AND MESS FREE WAY TO EXTRACT CRAB MEAT

Just remove the top shell, half the crab, slide it into the delux unit and pull the lever to enjoy freshly peeled crab meat in a fraction of the time it takes to peel by hand.

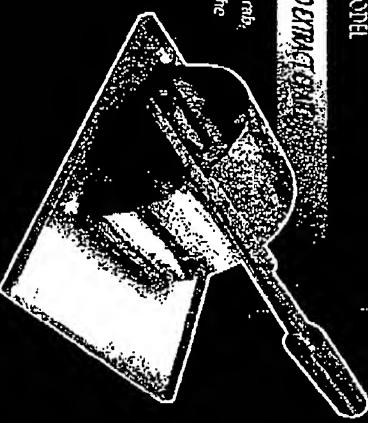


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Commercial Quality Crab Meat Extractor

HEAVY DUTY / DELUXE MADE

THE EASY, FAST, AND MESS FREE WAY TO EXTRACT CRAB MEAT

Just remove the top shell, half the crab, slide it into the delux unit and pull the lever to enjoy freshly peeled crab meat in a fraction of the time it takes to peel by hand.

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Home > Forums > Mechanical Engineers > Activities > Boiler and Pressure Vessel engineering Forum
Forces required to form double curved plates?
thread794-102106

JStephen (Mechanical)

Aug 25, 2004

We are investigating the feasibility of pressing dome roofs and knuckles for field-erected storage tanks. This would involve forming flat plate to a double-curved shape, requiring the stretching or compression of the plate itself. Is anyone aware of any standard methods or resources for determining the forces required for this? Are there any manufacturers that specialize in this kind of equipment?

Thanks,
Stephen

spayette (Mechanical)

Aug 25, 2004

Stephen,

If I understand your need correctly, CBI would be one company that would have the capability of forming such plate sections since they have constructed many dome roof tanks, as well as spherical pressure storage vessels.

JStephen (Mechanical)

Aug 25, 2004

I realize that there are a number of companies that routinely do this type of forming, and even companies that sell formed segmented roofs. But I am looking for information on the forming processes and equipment, not on suppliers of the finished product.

SteveBraune (Structural)

Aug 30, 2004

You may also wish to consider an umbrella roof in lieu of a dome roof. The umbrella roof is formed by rolling instead of pressing. Fabrication costs would be much lower.

Also, pressing thin plates into a spherical shape can be difficult, especially for the 3/16 and 1/4 thicknesses. They keep springing back to flat!

Steve Braune
Tank Industry Consultants
www.tankindustry.com

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stress coefficient of the panel may be obtained. Five curves are plotted at the ratio of the panel length to its width (measured normal to the unswedged edges) for values of the sweep of the edge of 0 (a rectangular panel), 15, 45 and 60 degrees. The buckling stress coefficient is defined as the stress buckling non-dimensionalised by the modulus of elasticity of the material factored by the square of the ratio of the panel width to its thickness. This is assumed to be part of a continuous flat sheet of such panels on non-deflecting supports and its edges are free to rotate but remain straight. These curves apply to isotropic materials and provide results for any value of Poisson's ratio.

Available from: <http://www.esdu.com/graphics/dataitem/s020147a.htm>

■ ESDU ESDU Struct 02.01.10 provides a graph from which the buckling stress coefficient may be obtained for a slightly curved plate loaded along one axis with the edges clamped but subjected to negligible lateral restraint. The buckling stress coefficient relates the buckling stress to the modulus of elasticity multiplied by the square of the ratio of plate thickness to width. The plate is assumed long enough for the effect of the edge conditions at the loaded end to be negligible. The curves relate to various levels of initial irregularity, expressed as the maximum inward deviation of the surface from a straight edge plane anywhere on the outside of the plate in an axial plane. They were derived from the curves of ESDU Struct 02.01.11; for a zero radius of curvature those curves agree with theoretical results for flat plates, and for the greatest radius of curvature considered they also fit theoretical results closely in the range of practical interest. Curves for radii in between were interpolated.

Available from: <http://www.esdu.com/graphics/dataitem/s020110a.htm>

Buckling stress ratios for flat plates under shear and non-uniform compression. (70002)

■ ESDU A design curve is presented that gives non-dimensionalised shear and compressive stress ratios. The curve applies to flat plates having four types of edge restraint namely (i) ends and sides simply-supported, (ii) ends clamped, sides simply-supported, (iii) ends simply-supported, sides clamped and (iv) ends and sides clamped.

Available from: <http://www.esdu.com/graphics/dataitem/70002a.htm>

Buckling stress ratios for plates under uniform compression. (70003)

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